

Contents Volume 39 (1997)

Allegrini M → Magnier S 261
Angeli C → Magnier S 261
Antoine P → Essarroukh N-E 15
Arcimowicz B → Dembczyński J 143
Arias de Saavedra F, Buendía E, Gálvez FJ: Analytic correlated wave functions in momentum space of excited *S*-states of Helium like Ions 101
Arisawa T → Miyabe M 181
Aschenauer EC, Markushin VE: Muonic hydrogen and deuterium in H-D mixture and muon transfer in excited states 165
Attal-Tretout B → Picard YJ 49

Bartelt A, Close JD, Federmann F, Hoffmann K, Quaas N, Toennies JP: The UV-absorption of europium atoms embedded in helium nanodroplets 1
Basar Gö, Basar Gü, Büttgenbach S, Kröger S, Kronfeldt H-D: Parametric investigation of the isotope shift in odd configurations of Ne I 283
Basar Gü → Basar Gö 283
Bastida A, Gadéa FX: Simulation of the photodissociation or Ar₃⁺ 325
Bastone É deC, Quintão AD, Vianna RO, Mohallem JR: Gaussian integral transforms of unconventional functions: contracted basis functions appropriate to molecules and metallic clusters 69
Berakdar J, O'Mahony PF, Mota-Furtado F: A comparative study on the spin asymmetry and integrated cross sections for the electron-impact ionization of atomic hydrogen 41
Bertolus M, Brenner V, Millié P, Maillet J-B: Monte Carlo growth method: application to molecular clusters 239
Bettega MHF → Varella MT doN 59
Braun M, Engel V: Pump/probe direct photoionization from thermally hot samples: the Cs₂ molecule 301
Brenner V → Bertolus M 239
Buendía E → Arias de Saavedra F 101
Büttgenbach S → Basar Gö 283

Catara F, Serra LI, Van Giai N: Ground state correlations of jellium metal clusters in local spin-density approximation 153
Chen Ji → Li S-M 29
Cheon I-T: Modification of the transition rate in the hydrogen atom placed in finite space 3
Close JD → Bartelt A 1

Das MB: Experimental lifetimes of some levels of Ne II 257
De Filippo G, Romstad D, Guldberg-Kjær S, Milošević S, Pedersen JOP: Depopulation cross sections for low lying states of barium 21
Dembczyński J, Arcimowicz B, Guthöhrlein GH, Windholz L: Fine-structure analysis of the (5d+6s)⁵ levels of Ta I 143

El Messaoudi A → Joulakian B 85
Ellert C, Schmidt M, Reiners T, Haberland H: Transition of the electronic response from molecular-like to jellium-like in cold, small sodium clusters 317
Endo I → Kobayashi T 209
Engel V → Braun M 301
Essarroukh N-E, Antoine P, Karangwa P-C, Jureta J, Urbain X: Influence of spontaneous decay on resonantly enhanced two-photon ionisation of D (2s) 15

Federmann F → Bartelt A 1
Freudenberg Th → Weyers K 217
Fukumi A → Kobayashi T 209

Gadéa FX → Bastida A 325
Gálvez FJ → Arias de Saavedra F 101
Giraud-Girard J, Manz J, Scheurer Ch: Twist dynamics of 9-(N-carbazolyl)-anthracene: effects of Intramolecular Vibrational Redistribution and non-adiabatic transitions in coupled bright and dark states 291
Granucci G → Magnier S 261
Grisch F → Picard YJ 49
Gross DHE, Madjet ME, Schapiro O: Fragmentation phase transition in atomic clusters I 75
Gross DHE → Madjet ME 309
Guldberg-Kjær S → De Filippo G 21
Guthöhrlein GH → Dembczyński J 143

Haberland H → Ellert C 317
Hervieux PA → Madjet ME 309
Hoffmann K → Bartelt A 1
Hogervorst W → Kuik GJ 127
Horiguchi T → Kobayashi T 209
Hotop H → Kau R 267

Ishida Y → Kobayashi T 209

Joulakian B, El Messaoudi A: Relativistic K shell ionisation of heavy atoms by electron impact: use of a relativistic helium-like bound state wave function 85
Jureta J → Essarroukh N-E 15

Karangwa P-C → Essarroukh N-E 15
Karavassilev PR → Todorov GT 251
Karszenboim SG: The Lamb shift of excited *S*-levels in hydrogen and deuterium atoms 109
Kau R, Petrov ID, Sukhorukov VL, Hotop H: Experimental and theoretical cross sections for photoionization of metastable Xe^{*} (6s³P₂, 3P₀) atoms near threshold 267
Khait OV: A radiofrequency field induced anisotropy of atomic collisions 9
Kobayashi T, Endo I, Fukumi A, Horiguchi T, Ishida Y, Kondo T, Kuwamoto T, Minamoto N, Nakamura T, Takahashi T: Measurement of hyperfine structure constants, *g* values and tensor polarizability of excited states of Sm I 209
Kohl C, Reinhard P-G: Na clusters on Na-Cl surfaces – the impact of the interface potential 225
Kondo T → Kobayashi T 209
Kröger S → Basar Gö 283

Kronfeldt H-D → Basar Gö 283
Kuik GJ, Vassen W, Lahaije CTW, Hogervorst W: Interference effects in Stark spectra of weakly autoionising 5dnf states of barium 127
Kuwamoto T → Kobayashi T 209

Lahaije CTW → Kuik GJ 127
Lambropoulos P → Schlagheck P 173
Laughlin C: The dipole polarisability of Zn⁺ and the high-*l* Rydberg levels of Zn 201
Le Boiteux S → Picard YJ 49
Li S-M, Miao Y-G, Zhou Z-F, Chen Ji, Liu Y-Y: Laser-assisted electron capture by a fast proton from a hydrogen atom 29
Lima MAP → Varella MT doN 59
Lindinger A, Verbeek M, Rubahn H-G: Adiabatic population transfer by acoustooptically modulated laser beams 93
Liu Y-Y → Li S-M 29
Lobo C, Martins JL: Valence force field model for graphene and fullerenes 159

Madjet ME, Hervieux PA, Gross DHE, Schapiro O: Fragmentation phase transition in atomic clusters II. Symmetry of fission of metal clusters 309
Madjet ME → Gross DHE 75
Magnier S, Angeli C, Granucci G, Masnou-Seeuws F, Allegrini M, Persico M: Theoretical study of Na(4p²P)⁺Na(3s²S) and Cd(5p³P₀)⁺Na(3s²S) collisions and their role in the energy transfer between Cd^{*} and Na 261
Maillet J-B → Bertolus M 239
Manz J → Giraud-Girard J 291
Markushin VE → Aschenauer EC 165
Martins JL → Lobo C 159
Masnou-Seeuws F → Magnier S 261
Mei GH, Zhong D, Tan YF, Zhu XW: ΔF=2–6 transitions in the hyperfine spectrum of λ=601.8 nm line of ¹⁵¹Eu 115
Miao Y-G → Li S-M 29
Millié P → Bertolus M 239
Milošević S → De Filippo G 21
Minamoto N → Kobayashi T 209
Miyabe M, Wakaida I, Arisawa T: Measurement of radiative lifetime and branching ratio of Gd I using three-step resonance ionization spectroscopy 181
Mohallem JR → Bastone É deC 69
Mota-Furtado F → Berakdar J 41
Mukherjee PK: Doubly excited states of highly stripped ions: a time dependent perturbation approach 195

Nakamura T → Kobayashi T 209

O'Mahony PF → Berakdar J 41

Pedersen JOP → De Filippo G 21
Persico M → Magnier S 261
Petrov ID → Kau R 267
Picard YJ, Grisch F, Attal-Tretout B, Le Boiteux S: Atomic oxygen detection using two-photon degenerate four wave mixing 49

Poirier M: Analysis of correlation effects in autoionizing doubly excited states of barium using Coulomb Green's function 189

Quaas N → Bartelt A 1
Quintão AD → Bastone É deC 69

Radloff W → Weyers K 217
Reiners T → Ellert C 317
Reinhard P-G → Kohl C 225
Rinkleff R-H, Wehmschulte R: Stark effect in odd-parity $J=1$ levels of neutral barium 139
Ritze H-H → Weyers K 217
Romstad D → De Filippo G 21
Rubahn H-G → Lindinger A 93

Sabotinov NV → Todorov GT 251
Sankari M → Suryanarayana MV 35
Schapiro O → Gross DHE 75
Schapiro O → Madjet ME 309
Scheurer Ch → Giraud-Girard J 291
Schlagheck P, Lambropoulos P: Theory of laser-induced dielectronic recombination: a case study in Helium 173

Schmidt M → Ellert C 317
Serra LI → Catara F 153
Staemmler V: Accurate ab initio determination of the van der Waals interaction in the $X^2\Sigma^+$ ground state of LiHe 121
Stern V → Weyers K 217
Sukhorukov VL → Kau R 267
Suryanarayana MV, Sankari M: Simulation of isotopic selectivities and isotope ratio enhancement factors for gadolinium and lanthanum using narrow band laser excitation 35

Takahashi T → Kobayashi T 209
Tan YF → Mei GH 115
Telbizov PK → Todorov GT 251
Todorov GT, Karavassilev PR, Sabotinov NV, Telbizov PK: Excitation transfer between upper Se $^+$ levels in a positive column He-Se $^+$ laser 251
Toennies JP → Bartelt A 1

Urbain X → Essarroukh N-E 15

Van Giai N → Catara F 153
Varella MT doN, Bettega MHF, Lima MAP: Cross sections for rotational excitations of CH $_4$, SiH $_4$, GeH $_4$, SnH $_4$ and PbH $_4$ by electron impact 59
Vassen W → Kuik GJ 127
Verbeek M → Lindinger A 93
Vianna RO → Bastone É deC 69

Wakaida I → Miyabe M 181
Wehmschulte R → Rinkleff R-H 139
Weyers K, Freudenberg Th, Ritze H-H, Radloff W, Stern V: Energetics of benzene-ammonia dimers 217
Windholz L → Dembczyński J 143

Zhong D → Mei GH 115
Zhou Z-F → Li S-M 29
Zhu XW → Mei GH 115

Indexed in *Current Contents*
Evaluated and abstracted
for PHYS on STN

